

1. Total de horas impartidas en el modulo LMSGI en el grupo 1DAW.

```
sum(//@numhoras[../text()='LMSGI'])
```

The screenshot shows an XML editor interface. At the top, a dark bar contains the XPath query `sum(//@numhoras[../text()='LMSGI'])` on the left and the result `Non-standard output: 4` on the right. Below this, the XML document is displayed in a light-colored area. The XML starts with `<horario nombre_ciclo="DAW" curso="1" anyo="2021-2022">` followed by `<horas>`. Inside `<horas>`, there is a `<hora>` element with attributes `hora_entrada="08:30:00"` and `hora_salida="09:20:00"`. This `<hora>` element contains five `<dia_sem>` elements. The first one is `<dia_sem dia="Lunes" numhoras="2">LMSGI</dia_sem>`. The others are `<dia_sem dia="Martes" numhoras="2">EDD</dia_sem>`, `<dia_sem dia="Miercoles" numhoras="2">BBDD</dia_sem>`, `<dia_sem dia="Jueves" numhoras="2">PROG</dia_sem>`, and `<dia_sem dia="Viernes" numhoras="2">BBDD</dia_sem>`. The editor has buttons for `XML mode`, `Format`, and `Save`.

```
sum(//dia_sem[.='LMSGI']/@numhoras)
```

The screenshot shows the same XML editor interface. The XPath query in the top bar is `sum(//dia_sem[.='LMSGI']/@numhoras)`, and the result is still `Non-standard output: 4`. The XML document is the same as in the previous screenshot. The editor has buttons for `XML mode`, `Format`, and `Save`, and a `Copy` button on the right.

2. Nombre del módulo (no las siglas) que se imparte la primera hora del lunes (primer día de la semana) del grupo DAW1.

```
//asignatura[@cod=//hora[1]/dia_sem[1]]/text()
```

The screenshot shows the XML editor interface. The XPath query in the top bar is `//asignatura[@cod=//hora[1]/dia_sem[1]]/text()`, and the result is `Elements found: 1`. The XML document is the same as in the previous screenshots. The editor has buttons for `XML mode`, `Format`, and `Save`, and buttons for `Copy`, `Text`, and `Node` on the right. Below the XML document, the result of the query is displayed: `1. LENGUAJE DE MARCAS Y SISTEMAS DE GESTIÓN D LA INFORMACIÓN`.

3. Lista las siglas de los módulos que imparte HRO.

`//asignatura[contains(@prof_impar,"HRO")]/@cod`

The screenshot shows an XML editor interface. At the top, a text box contains the XPath query: `//asignatura[contains(@prof_impar,"HRO")]/@cod`. To the right of this box, it says "Elements found: 2". Below the text box, there are buttons for "XML mode", "Format", and "Save". The main area displays the XML structure:


```
<horario nombre_ciclo="DAW" curso="1" anyo="2021-2022">
  <horas>
    <hora hora_entrada="08:30:00" hora_salida="09:20:00">
      <dia_sem dia="Lunes" numhoras="2">LMSGI</dia_sem>
      <dia_sem dia="Martes" numhoras="2">EDD</dia_sem>
      <dia_sem dia="Miercoles" numhoras="2">BBDD</dia_sem>
    </hora>
  </horas>
</horario>
```

 On the right side, a list of results is shown:

1. LMSGI
2. BBDD

 There are also "Copy" and "Text" buttons on the right.

4. Contar el número de bloques de 2 horas hay en el horario de 1DAW.

`count(//hora/dia_sem[@numhoras=2])`

The screenshot shows an XML editor interface. At the top, a text box contains the XPath query: `count(//hora/dia_sem[@numhoras=2])`. To the right of this box, it says "Non-standard output: 14". Below the text box, there are buttons for "XML mode", "Format", and "Save". The main area displays the XML structure:


```
<horario nombre_ciclo="DAW" curso="1" anyo="2021-2022">
  <horas>
    <hora hora_entrada="08:30:00" hora_salida="09:20:00">
      <dia_sem dia="Lunes" numhoras="2">LMSGI</dia_sem>
    </hora>
  </horas>
</horario>
```

 On the right side, there are buttons for "Copy", "Text", and "Node".

`count(horario[@nombre_ciclo="DAW" and
@curso=1]/horas/hora/dia_sem[@numhoras=2])`

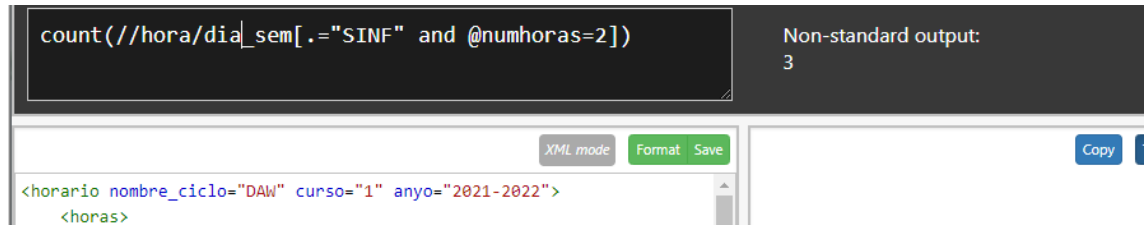
The screenshot shows an XML editor interface. At the top, a text box contains the XPath query: `count(horario[@nombre_ciclo="DAW" and
@curso=1]/horas/hora/dia_sem[@numhoras=2])`. To the right of this box, it says "Non-standard output: 14". Below the text box, there are buttons for "XML mode", "Format", and "Save". The main area displays the XML structure:


```
<horario nombre_ciclo="DAW" curso="1" anyo="2021-2022">
  <horas>
    <hora hora_entrada="08:30:00" hora_salida="09:20:00">
      .. .. .
    </hora>
  </horas>
</horario>
```

 On the right side, there are buttons for "Copy" and "Text".

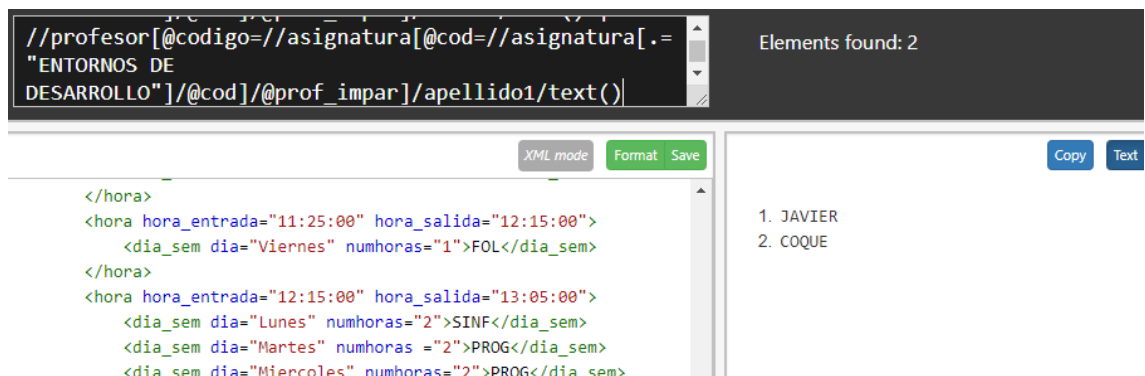
5. Contar el número de días que se imparte SINF en bloques de 2horas en el grupo 1DAW.

```
count(//hora/dia_sem[.="SINF" and @numhoras=2])
```



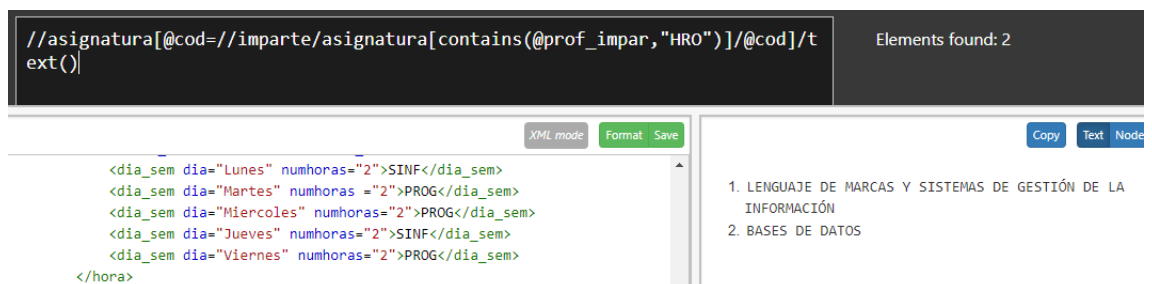
6. Nombre del profesor o profesores que imparten Entorno de Desarrollo.

```
//profesor[@codigo=//asignatura[@cod=//asignatura[.="ENTORNOS DE
DESARROLLO"]/@cod]/@prof_impar/nombre/text() |
//profesor[@codigo=//asignatura[@cod=//asignatura[.="ENTORNOS DE
DESARROLLO"]/@cod]/@prof_impar/apellido1/text()
```



7. Nombre del módulo que imparte HRO.

```
//asignatura[@cod=//imparte/asignatura[contains(@prof_impar,"HRO")]/@cod]/t
ext()
```



8. Total de horas impartidas a la semana en el grupo 1DAW.

```
sum(/horario[@nombre_ciclo="DAW" and
@curso=1]/horas//hora/dia_sem/@numhoras)
```

sum(/horario[@nombre_ciclo="DAW" and
@curso=1]/horas//hora/dia_sem/@numhoras)

Non-standard output:
30

XML mode Format Save Copy Text

```
<horario nombre_ciclo="DAW" curso="1" anyo="2021-2022">
  <horas>
    <hora hora_entrada="08:30:00" hora_salida="09:20:00">
      <dia_sem dia="Lunes" numhoras="2">LMSGI</dia_sem>
    </hora>
  </horas>
</horario>
```

9. Apellido del profesor que se corresponde a las siglas JCG.

```
//profesor[@codigo="JCG"]/apellido1
```

//profesor[@codigo="JCG"]/apellido1

Elements found: 1

XML mode Format Save Copy Text

```
<profesor codigo="JCG" nombre="COQUE">
  <apellido1>COQUE</apellido1>
</profesor>
```

1. COQUE

10. Hora de entrada y hora de salida del grupo DAW1.

```
//hora[1]/@hora_entrada | //hora[last()]/@hora_salida
```

//hora[1]/@hora_entrada | //hora[last()]/@hora_salida

Elements found: 2

XML mode Format Save Copy Text

```
<horario nombre_ciclo="DAW" curso="1" anyo="2021-2022">
  <horas>
    <hora hora_entrada="08:30:00" hora_salida="09:20:00">
      <dia_sem dia="Lunes" numhoras="2">LMSGI</dia_sem>
    </hora>
  </horas>
</horario>
```

1. 08:30:00
2. 13:55:00